

Abstract

1. Arrangement and method for energy and information transmission via ultrasound

2.1 Triggering information transmission by prior-art methods of energy and information transmission via ultrasound requires a fixed installation of the communication system and an electric switching action on the side of the energy-supplying base device. These solutions are not flexibly usable and are not suitable for applications such as identification of articles, storing of codes or other short information in articles comprising an electronic information carrier.

2.2 In the new method, the information transmission between an information carrier and a base device is mechanically initiated by bringing together the article containing the information carrier and the base device until a touching contact is reached which then lets the information carrier receive the energy from the ultrasonic field spreading in the article. The method and an arrangement for implementing said method permit an easy placement of short information in articles of any kind.

2.3 Applications: Code transmission in electronic access, product identification

(Fig. 1)